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PTO/SB/21 (04-07) Approved for use through 09/30/2007. OMB 0651-0031

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		Application Number	10/708,620	
TRANSMITTAL		Filing Date	03/16/2004	
FORM (to be used for all correspondence after initial filing)		First Named Inventor	Hung-De Chen	-
		Art Unit .	2825	
		Examiner Name	MALSAWMA, LALRINFAMKIM HMAR	
Total Number of Pages in This Submission	6	Attorney Docket Number	QDIP0005USA	

(to be used for	all correspo	ondence after initial	filing)	Examinor Hamo	ľ	MALSA	WMA, LA	ALRI	NEAMKIN	1 HN	//AR	
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Documer Reply to Incomple	Certified Copy of Priority Document(s) Reply to Missing Parts/ Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Name North America Intellectual Property Corporation Signature Www.tom. Law. Remarks Request for Certificate of Correction under 37 CFR 1.323 Cartificate Cartificate Cartificate Correction Signature North America Intellectual Property Corporation Of Correction											
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Printed name	Printed name Winston Hsu											
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CERTIFICATE OF TRANSMISSION/MAILING												
sufficient postage the date shown b	I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:											
Signature		Josefin	ra Wa	ng					(
Typed or printed name Josefina Wang						D	ate	JUL	2 0	2007		

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.:

6,869,833 B1

Issue Date: 03/22/2005

Appl. No.:

10/708,620

Filing Date: 03/16/2004

Inventor:

Hung-De Chen

Examiner: MALSAWMA, LALRINFAMKIM HMAR Art Unit: 2825

Docket No.:

QDIP0005USA

Title: METHOD OF MANUFACTURING A THIN FILM TRANSISTOR OF A LIQUID CRYSTAL DISPLAY

To:

The Certificate of Correction Branch

Commissioner for Patents

P.O. BOX 1450

Alexandria, VA 22313-1450

Subject:

Request for Certificate of Correction

Dear Sir,

The applicant recently found that the residence of the inventor listed on the front page of the above-identified Patent is incorrect (Attachment 1). The erroneous residence "Fu-Chien (CN)" was provided on the Application Data Sheet while filing the above-identified patent on 03/16/2004. Failure to provide the correct residence of the first inventor on the Application Data Sheet was inadvertent.

The applicant hereby requests that a Certificate of Correction be issued under 37 CFR 1.323 and submits the fee \$100.00 set forth in 37 CFR 1.20(a) herewith. Please 6869833 correct the residence of the first inventor from "Fu-Chien (CN), NGUYER SUBBURGE CORRECT CONTROL OF THE CONTROL 01 FC:1811 100.00 DA (TW)". Thank you.

Sincerely yours,

William tall Date: _______ JUL 2 0 2007

Winston Hsu, Patent Agent No. 41,526

P.O. BOX 506, Merrifield, VA 22116, U.S.A.

Voice Mail: 302-729-1562

Facsimile: 806-498-6673

e-mail: winstonhsu@naipo.com

Note: Please leave a message in my voice mail if you need to talk to me. (The time in

D.C. is 12 hours behind the Taiwan time, i.e. 9 AM in D.C. = 9 PM in Taiwan.)



PTO/SB/17 (07-07)

Approved for use through 06/30/2010. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL FOR FY 2007 Applicant claims small entity status. See 37 CFR 1.27 TOTAL AMOUNT OF PAYMENT (\$) 100.00 Altomey Docket No. QDIPO005USA					
FOR FY 2007 Standard Inventor Hung-De Chen					
Applicant claims small entity status. See 37 CFR 1.27 TOTAL AMOUNT OF PAYMENT (\$) 100.00 METHOD OF PAYMENT (Check all that apply) Check Credit Card Money Order None Other (please identify): Deposit Account Deposit account, Number: 50-3105 Deposit Account Name: North America Intellectual Property Corporation For the above-identified deposit account, the Director is hereby authorized to: (check all that apply) Charge fee(s) indicated below Charge fee(s) indicated below Charge fee(s) indicated below Charge fee(s) or underpayments of fee(s) WARNING: Information on this form may become public. Credit card Information should not be included on this form. Provide credit card information and authorization on PTO-2038. FEE CALCULATION 1. BASIC FILING, SEARCH, AND EXAMINATION FEES FILING FEES Small Entity Small Entity Small Entity Fee (\$) Fee					
Applicant claims small entity status. See 37 CFR 1.27 TOTAL AMOUNT OF PAYMENT (\$) 100.00 Att Unit 2825 Attorney Docket No. QDIP0005USA METHOD OF PAYMENT (check all that apply) Check Credit Card Money Order None Other (please identify): Deposit Account Deposit Account Number: 50-3105 For the above-identified deposit account, the Director is hereby authorized to: (check all that apply) Charge fee(s) indicated below Charge fee(s) indicated below except for the filling fee I Charge any additional fee(s) or underpayments of fee(s) Charge any additional fee(s) or underpayments of fee(s) WARNING: Information on this form may become public. Credit card Information should not be Included on this form. Provide credit card Information and authorization on PTO-2038. FEE CALCULATION 1. BASIC FILING, SEARCH, AND EXAMINATION FEES FILING FEES Small Entity Application Type Fee (\$)					
Art Unit 2825 Attorney Docket No. QDIPO005USA METHOD OF PAYMENT (check all that apply) Check Credit Card Money Order None Other (please identify): Deposit Account Deposit Account Number: 50-3105 Deposit Account Name: North America Intellectual Property Corporation For the above-identified deposit account, the Director is hereby authorized to: (check all that apply) Charge fee(s) indicated below Charge fee(s) indicated below, except for the filling fee Charge any additional fee(s) or underpayments of fee(s) Charge any additional fee(s) or underpayments of fee(s) WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. FEE CALCULATION 1. BASIC FILING, SEARCH, AND EXAMINATION FEES FILING FEES Small Entity Application Type Fee (\$) Fee (\$					
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Check Credit Card Money Order None Other (please identify): Deposit Account Deposit Account Number: 50-3105 Deposit Account Name: North America Intellectual Property Corporation For the above-identified deposit account, the Director is hereby authorized to: (check all that apply) Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee Charge any additional fee(s) or underpayments of fee(s) Charge fee(s) indicated below, except for the filing fee Charge fee(s) indicated below indicated below, except for the filing fee Charge fee(s) indicated below ind					
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Charge any additional fee(s) or underpayments of fee(s) Under 37 CFR 1.16 and 1.17 WARNING: Information on this form may become public. Credit card Information should not be included on this form. Provide credit card Information and authorization on PTO-2038. FEE CALCULATION 1. BASIC FILING, SEARCH, AND EXAMINATION FEES FILING FEES Small Entity Application Type Fee (\$) Fe					
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1. BASIC FILING, SEARCH, AND EXAMINATION FEES					
Application Type					
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Utility 300 150 500 250 200 100					
Design 200 100 100 50 130 65					
Plant 200 100 300 150 160 80 Reissue 300 150 500 250 600 300					
Reissue 300 150 500 250 600 300					
Provisional 200 100 0 0 0 0					
2. EXCESS CLAIM FEES Small Entity					
Fee (\$) Fee (\$)					
Each claim over 20 (including Reissues) 50 25 Each independent claim over 3 (including Reissues) 200 100					
Multiple dependent claims 360 180					
Total Claims					
20 or HP = x = <u>Fee (\$) Fee Paid (\$)</u>					
HP = highest number of total claims paid for, if greater than 20. indep. Claims					
3 or HP = x =					
HP = highest number of independent claims paid for, if greater than 3.					
3. APPLICATION SIZE FEE If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings and 27 CER 1 52(2)), the application size for the in \$250 (\$125 for small entity) for each additional 50					
listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).					
<u>Total Sheets </u>					
- 100 = / 50 = (round up to a whole number) x =					
4. OTHER FEE(S) Non-English Specification, \$130 fee (no small entity discount) Fees Paid (\$)					
Other (e.g., late filing surcharge): Request for Certificate of Correction 100					
UBMITTED BY					

SUBMITTED BY				
Signature	Wenton ton	Registration No. (Attorney/Agent)	41,526	Telephone 3027291562
Name (Print/Type)	Winston Hsu			Date UL 2 0 2007

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/44 (04-05)
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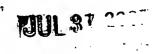
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page1	of	1					
PATENT NO. : 6,869,833 B1							
APPLICATION NO.: 10/708620							
ISSUE DATE : Mar. 22, 2005							
INVENTOR(S) : Hung-De Chen .							
It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:							
On the Title Page, Item (75), Inventors,							
the residence should be corrected from "Fu-Chien (CN)" toKinmen County (TW)							

MAILING ADDRESS OF SENDER (Please do not use customer number below):

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the Individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Please correct the residence of the inventor from "Fu-Chien (CN)" to "Kinmen County (TW)"



(12) United States Patent

Chen

(10) Patent No.:

US 6,869,833 B1

(45) Date of Patent:

Mar. 22, 2005

(54) METHOD OF MANUFACTURING A THIN FILM TRANSISTOR OF A LIQUID CRYSTAL DISPLAY

(75)	Inventor:	Hung-De	Chen,	Fu-Chien (CN)

(73) Assignee: Quanta Display Inc., Tao-Yuan Hsien

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35

U.S.C. 154(b) by 0 days.

(21)	Appl.	No.:	10/708,620
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(22) Filed:	Mar.	16.	2004
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(51)	Int. Cl. ⁷	 H01L 21/00
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(52) U.S. Cl. 438/158; 438/151; 438/30

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^{*} cited by examiner

Primary Examiner—Matthew Smith
Assistant Examiner—Lex H. Malsawma
(74) Attorney, Agent, or Firm—Winston Hsu

(57) ABSTRACT

A method for fabricating a TFT having the steps of providing a substrate; sequentially depositing a transparent conductive layer, a first metal layer, a first insulating layer, a semiconductor layer, and a second metal layer on the substrate; performing a first photo-etching-process (PEP) to remove portions of the deposited layers to form a source electrode and a drain electrode and define a channel region, the first PEP includes a first halftone photolithograph process; depositing a second insulating layer and performing a second PEP to form a plurality of contact holes; and depositing a third metal layer and performing a third PEP to remove portions of the third metal layer.

19 Claims, 9 Drawing Sheets

